19980526.ba v02_n068.bam.980526

>From ???@??? Wed May 27 05:16:16 1998
Message-Id: <199805261853.NAA01120@sco.theporch.com>
Date: Tue, 26 May 1998 13:50:42 CDT
Subject: BOATANCHORS digest 2068

BOATANCHORS Digest 2068

Topics covered in this issue include:

1) Re: Capacitor Markings
by "Grant Youngman" <nq5t@gte.net>
2) Re: Capacitor Markings
by ail0@lehigh.edu (ARTHUR I. LARKY)
3) Military BA's for sale amd Misc
by Kevin Gallagher <wire2liv@gomontana.com>
4) Good ol' 40 meters; good ol' bedlam
by "Roberta J. Barmore" <rbarmore@indy.net>
5) Re: Capacitor Markings
by Henry van Cleef <vancleef@netcom.com>
6) Re: Capacitor Markings
by Dick Dillman <ddillman@igc.apc.org>
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by "Arden Allen" <gumbear@pacbell.net>
8) Help on Radio Specialty Model 1144
by "Tracy Lane" <kc5rbq@oakharbor.net>
9) TIP OF THE MONTH & A "?"
by Mike Souhrada <wb9iog@revealed.net>
10) Re: Cathodic trivia
by midshires@cix.co.uk (Andrew Emmerson)
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by "David L. Thompson" <thompson@mindspring.com>
12) Grimeton on VLF on Thursday
by Al Klase <skywaves@bw.webex.net>
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by arc5@ix.netcom.com
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by William Donzelli <william@ans.net>
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16) Some Mil stuff for sale
by "Joseph W. Pinner" <kc5ijd@sprintmail.com>
17) Re: Grimeton on VLF on Thursday
by Bill Hawkins <bill@iaxs.net>
18) Copies of Hammarlumd letter available...
by William Donzelli <william@ans.net>
19) Alexanderson Alternator

by Bengt Wilander <bkh@bwab.se>
20) WTB: BC-455 RF Coil Set
by "Schroeder,Russell G" <Russell_Schroeder@xn.xerox.com>
21) Re: GB> Good ol' 40 meters; good ol' bedlam
by Ken Gordon <keng@uidaho.edu>
22) Re. Idiot computer
by "Thomas A. Adams" <103360.2133@compuserve.com>
23) Rx - regens vs superhets
by Walt Turansky <turansky@xroads.com>
24) WTB /WTT Eldico SSB-1000F
by Brian.Harris@sv.sc.philips.com (Brian Harris)
25) R-107 case wanted
by BEN NOCK <G4BXD@compuserve.com>
26) Re: Grimeton on VLF on Thursday
by "Ed Santavicca" <santavic@ct.picker.com>
27) Help please: Invader 2000
by w2ec@VNET.IBM.COM

Message-Id: <199805260228.VAA04755@smtp2.mailsrvcs.net>
From: "Grant Youngman" <nq5t@gte.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Mon, 25 May 1998 21:28:02 -0500
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: Capacitor Markings

> The .0047mf. 715P Orange Drops are marked 472J. This seems to imply that
> the 2 in means that two zeros should be placed to the left of the 47. This
> also seems to be the case with .001 capacitors that are marked 102J.
> However some .02mf capacitors are marked 203K. Adding three zeros to the
> left of 20 in this case does not produce the correct value.

The answer is that the zeros go to the right, and you read the value in pf (mmf). The 0.02 mf cap is marked 203. Thats 20000 pf which is .02 mf.   Likewise 472 is 4700 pf or .0047 mf.

Grant

Grant Youngman / NQ5T

nq5t@gte.net
BA pics at http://home1.gte.net/nq5t
Double Oak, TX -- nr Dallas

Message-Id: <199805260331.XAA53778@ns3-1.CC.Lehigh.EDU>
Date: Mon, 25 May 1998 23:31:16 EDT
From: ail0@lehigh.edu (ARTHUR I. LARKY)
Subject: Re: Capacitor Markings
To: Old Tube Radios <boatanchors@theporch.com>

The zeros go to the right to give you picofarads. 472J = 4700pf = 0.0047mfd
203K = 20000 pf = 0.02mfd
Art
K3HBA

>Greetings, folks. I need some very basic advice about markings on Orange
>Drop capacitors.
>
>The AR-88LF on which I'm working has, for example, numerous bypass
>capacitors with a value shown in the parts list at 4700mmf. And indeed the
>offending units are marked "4700".
>
>If I have it right mmf. = pf. so one could also say that the capacitors have
>a value of 4700pf.
>
>AES lists its capacitors mostly in mf. If I'm right that converting pf. to
>mf. requires that the decimal be moved six places to the left then we could
>also say that the capacitor has a value of .0047mf. Thus I ordered several
>.0047mf. Orange Drop capacitors from AES along with other values as well.
>
>The .0047mf. 715P Orange Drops are marked 472J. This seems to imply that
>the 2 in means that two zeros should be placed to the left of the 47. This
>also seems to be the case with .001 capacitors that are marked 102J.
>However some .02mf capacitors are marked 203K. Adding three zeros to the
>left of 20 in this case does not produce the correct value.
>
>All this is my typically long winded way of asking: what's the correct way
>to read the value of Orange Drop capacitors?
>
>Thanks,
>
>Dick
>
>
>   Dick Dillman
>   <ddillman@igc.apc.org>
>   WPE2VT W6AWO
>   Collector Of Heavy Metal:
>   Harleys, Willys and Radios Over 100lbs.
>

>
>
>

Message-ID: <356A369E.CE8E63D2@gomontana.com>
Date: Mon, 25 May 1998 21:27:26 -0600
From: Kevin Gallagher <wire2liv@gomontana.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Military BA's for sale amd Misc
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gentleman, I can't get near the bench to work, so some of these must go! (1) AN-URR 27A 100-200 mcs case rough 60.00, (2) AN-URR 35C 220-400mcs nice shape all around 90.00, (3) R-13B w/factory 12v. dyno, nice shape 35.00, (4) R-19H, You never saw a Hallicrafters like this, 50.00, (5) R-392, works very well! couple of small mods, 165.00, (6) SRR-13 or 13A have several and spare tubes and the test cable, best offer, (7) LM-13 with book,30.00, (8) HQ-170 with speaker and manual copy, 165.00, (9) SC-901X with manual,best offer, (10) DEI TR-711 with all TU's and manuals 325.00. All the above are priced without shipping from 59030. Have also for sale a nice R-390A , 350.00, but it is pick up only in S.W. Montana. If you are going to Yellowstone, I'm on the direct route to the North entrance of the park. Thanks for your time, Kevin

---

Date: Mon, 25 May 1998 23:16:01 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Good ol' 40 meters; good ol' bedlam
Message-ID: <Pine.SUN.3.96.980525224216.17447A-100000@indy3>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Y'all...

[The following might be construed as critical of five guys I think highly of--if folks take it that way, shame on 'em; the fellows were in fine fettle. Ya can't work it if it's not above the noise, that's all].

And most specially hello to W7QQQ, W7ZFB, W5FRS and W5TVW. All of whom I heard; all of whom I called. Now Sandy, Dennis and one other fellow were a bit off 7050 when I first heard 'em (0210 GMT), and the QRN was bad. I gave it a couple shots but let's face it, anyone with any sense had the receiver narrowed down and wasn't gonna hear a peep over the static a

few kc off.
But gee golly, I sure do wish I'd'a been able to get '7QQQ's attention! He came on after the other fellows had broke up; I tried a couple of CQ BA calls, 0232-0237, with the usual (nil) result, and heard someone tunin' up, dead on my 7050 xtal. Gave him a K and sat back, and 'twas QQQ. So I called him. Nice long call. Nil. I sat there for an *hour,* calling on every BK, every formal handover, and n.d. 'Long about 0320 GMT, ol QQQ, he sez he hears a weak 'un calling; now I am hearing him 599 with the knife switch in *transmit,* so that's just gotta be me in his cans! I call; and he says to the luminiferous aether and '7ZFB that it's just too weak but let's try; and I call again. Six minutes of this, before a little sig creeps up outta the noise--and it's not me. Never was. ('Sa pity I don't drink, sad when ya don't have a beer handy in which to cry!< grin>)

And there we have the flip side of flea power: sometimes it does *not* get through. 'Tain't the receivers at the far end, I don't think; the gang was hearing some piffling signals in a hash of X's. But my sigs, it would seem, are less than piffling.
...On the other hand, Sunday I worked Nebraska, Florida and New York state; worst report was S6 and that was from the Sunshine State. Howcome? Better conditions for at least two of 'em and a less-busy band for all three.

Still, I have to admit, I pulled the switches tonight just about ready to chuck it in. I've yet to try my QSL-40, which bids fair to put out a little more RF than the Jones rig if the power supply will hold up; but if that doesn't do it, well, bedarned if I will build some ether-busting QRO job; the wiring in the basement wouldn't stand for it and I'm loathe to add to the din even if it would. Where'n the dickens is QRP tube gear supposed to hang out? (Y'know, I prolly should have not even read Ade Weiss's "History of QRP..." but he stopped by the TV xmtr on his way home from Dayton and swapped even for my last copy of "Newcomer..." so it seemed un-neighborly not to. Those old reports do lead to unrealistic expectations!)

73,
--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore
FISTS #3388 * G-QRP #10001 * ARRL * RSGB * WIA
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

From: Henry van Cleef <vancleef@netcom.com>
Message-Id: <199805260420.VAA25010@netcom11.netcom.com>
Subject: Re: Capacitor Markings

To: Old Tube Radios <boatanchors@theporch.com>
Date: Mon, 25 May 1998 22:20:52 -0600 (MDT)
Cc: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

As Dick Dillman discourses

>
> Greetings, folks. I need some very basic advice about markings on Orange Drop capacitors.
>
> The AR-88LF on which I'm working has, for example, numerous bypass capacitors with a value shown in the parts list at 4700mmf. And indeed the offending units are marked "4700".
>
> If I have it right mmf. = pf. so one could also say that the capacitors have a value of 4700pf.

Microfarads are 10E-6 farad (ten to the -6 power). Micromicrofarads, or picofarads, are 10E-12. Thus 0.1 farad is a tenth of a microfarad, or 100,000 picofarads. Some manufacturers are now using nf., or nanofarads. That is 10E-9 farad. A 0.001 mfd cap is 1.0 nanofarads or 1000 picofarads. The prefixes "micro," "nano" and "pico" were established as US standards in 1962 or '63, although the Europeans were using "picofarad" long before that. The nf. value caps I have seen have had an "n" or "nf" in the markings. I have some Japanese schematics that list most of the small cap values in nf. for caps over 999 pf.

>
> AES lists its capacitors mostly in mf. If I'm right that converting pf. to mf. requires that the decimal be moved six places to the left then we could also say that the capacitor has a value of .0047mf. Thus I ordered several .0047mf. Orange Drop capacitors from AES along with other values as well.

Correct---.0047 mike is 4700 pf.

>
> The .0047mf. 715P Orange Drops are marked 472J. This seems to imply that the 2 in means that two zeros should be placed to the left of the 47. This also seems to be the case with .001 capacitors that are marked 102J. However some .02mf capacitors are marked 203K. Adding three zeros to the left of 20 in this case does not produce the correct value.

In this type of marking, the last digit is "number of zeroes to the right of the significant figures," not to the left. Thus 472 is "47-00" or 4700 pf. 203 is 20-000 or 20,000 pf.

>

> All this is my typically long winded way of asking: what's the correct way
> to read the value of Orange Drop capacitors?
>

The final letters are the tolerance. A Mouser catalog generally gives the keys for these letters.

One note about something that foxes people reading old schematics, is the practice of using "M" instead of "K" for "thousands" on resistors. A "50M" resistor is a "50K." The megohm values are marked "meg" or "megohm." However, the significant figures are a clear giveaway----the largest megohm value commonly used (except in precision dividers) is 10 megs (in the grid circuit of a 6SQ7 or similar detector-amplifier), and in most receivers, megohm values are only used in the AVC circuit and first audio grid.

Also, with the changes at the end of WWII in RMA standard values, a .005 cap became a .0047 or 4700 pf., and similarly with resistors, a 2.5K is the same as a 2.4K in most circuits. In cathode circuits, 120, 150, 180, 220, 240, 250, 270, and 300 ohms are common values, and you should replace with the original in most cases (240 and 240 will interchange generally). For bypass applications, original designs generally used .01 or .02 mike in most locations, and you can use .01 mylars for either most of the time. The 0.1's used in 6K8 screen and plate feed circuits are a bit small---1 mike electrolytics with .01's in parallel (to handle the HF component) will guarantee that a 6K8 won't flutter.

One thing to watch out for are the values of grid leak resistors. On power tubes (6V6, 6AU5) in audio applications, these should never be over 470K in a self-bias circuit, and substantially less (180-220K) in a fixed bias circuit. Consumer tube audio of the early sixties often violate this rule, with the result that power tubes (particularly 7591's and some of the 6L6-on-steroids tubes) were prone to thermal runaway because of grid current.

--
===
Hank van Cleef
===

Date: Mon, 25 May 1998 21:46:19 -0700 (PDT)
Message-Id: <2.2.16.19980525214350.3c7f7d88@pop.igc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Dick Dillman <ddillman@igc.apc.org>
Subject: Re: Capacitor Markings

At 09:28 PM 5/25/98 -0500, Grant Youngman wrote:

>The answer is that the zeros go to the right, and you read the value
>in pf (mmf). The 0.02 mf cap is marked 203. Thats 20000 pf which is
>.02 mf.   Likewise 472 is 4700 pf or .0047 mf.

But of course. Thanks!

D.

Dick Dillman
<ddillman@igc.apc.org>
WPE2VT W6AWO
Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Message-Id: <199805260512.WAA29522@mail-gw5.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Capacitor Markings
Date: Mon, 25 May 1998 22:13:09 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

You know the story of Microfarad and Milliamp? They went for a ride on his megacycle.....

Anyway, the letter at the end of the capacitor value is the tolerance; J = 5%; K = 10%. If you want to know all about capacitor values and tolerances check out Cornell-Dubilier's page: <http://www.cornell-dubilier.com/>

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

From: "Tracy Lane" <kc5rbq@oakharbor.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Help on Radio Specialty Model 1144
Date: Mon, 25 May 1998 21:59:33 -0700
Message-ID: <01bd8863$14380f40$LocalHost@kc5rbq>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings All,

I just acquired as my very first boatanchor, a Radio Specialty Model 1144. It's a two-piece unit, the radio is the top unit and it is attached to the p/s (the other piece) by two lunchbox style clips on either end. The radio is labeled "Comm. Unit Assy 1144-50-2, Ser. #26. There is another label with "TX # 1144-5-1", and the p/s has "Type 1144-9-1, Ser. #110". The year 1951 is stamped inside the radio. It has a cover over where the ch. select would be, so it's a single channel simplex on either VHF-Lo or Hi. I haven't gotten deep into it yet to look for a crystal element, so I'm not sure about the freq.

Could someone possibly direct me to a schematic and or provide more information, so I can get it working? I thank you for reading this, and thanks in advance for your replies (hopefully!).

73,
Tracy

D. Tracy Lane KC5RBQ/7
786 SE Ely St.
Oak Harbor, WA 98277
(360) 240-8582

Message-ID: <356A5F1F.28CC@revealed.net>
Date: Tue, 26 May 1998 01:20:15 -0500
From: Mike Souhrada <wb9iog@revealed.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: TIP OF THE MONTH & A "?"
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Removing non standard operator marking on a front panel.

A few days ago a list member inquired re marks on his panel.
I passed on the "usual" remedies.
Tonight I tried a new one:
Condition:
Indelible marking of some kind used by a previous owner for
drive marks on a transceiver,almond color. Not wrinkle paint.
It looked like a black marker. Attempted to use old standby 409-minor
success.

Had some Nybco (New York Bronze Powder Co) "OOPS!" latex

paint remover. The can says- it has little or no effect on oil
based paints,varnishes,lacquers and shellac. Also removes:
tar,lipstick,shoepolish,ball point ink,magic marker,oil,grease,crayons
etc.

It works! Need a bit of time and rubbing to soak the old
marking out and then a bit of assist with my standby
Crest tarter control toothpaste. Just a bit gritty.
Looks just like new now.

Bonus tip: MEK was used to remove an attempted repaint job by a
would be restoration expert on a SX-71. Seems that Hallicrafters used
a baked on enamel. MEK may remove "modern" air dried paints and leave
the baked paint intact. I was able to salvage the complete front panel
with
lettering intact. It only needed a touch up on the sides that were
rusty. Read they safety label if you try it out!

The question:
Have a "new" S-40B now for my small collection. Tnx to Al KÿAL for
passing
my search on to another list member Wayne KEÿMS.
Would not like to remove the bat switch nuts (knurled type) with my
ordinary method,
[pliers] and risk panel damage. Who sells a socket that fits these kinds
of things? Diameter =~ 9/16".

Danka from Le Claire, Ia
Hometown of Buffalo Bill
Mike

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 26 May 1998 12:52 +0100 (BST)
From: midshires@cix.co.uk (Andrew Emmerson)
Subject: Re: Cathodic trivia
To: Old Tube Radios <boatanchors@theporch.com>
CC: midshires@cix.co.uk
Message-Id: <memo.19980526125201.43923O@midshires.compulink.co.uk>

All three were trade names for television still picture generators, using
camera tubes in which the pickup mosaic was replaced by a photographic
image printed on a metal plate. RCA, Du Mont and Baird all came up with
similar devices in the mid-1930s but it would take very careful research
to determine who 'invented' it first.

DuMont's Phasmajector was described in great detail in _Radio Craft_ for April 1938; it was very crude. Baird's device used a proper half-tone photograph and was completed in August 1936. RCA first disclosed their monoscope in 1938 (RCA Review 1938, no. 2, page 414) and acknowledged a British patent number without saying whose it was. The principle is also discussed in the German periodical _Zeitschrift fuer technische Physik_, 1935, no. 16, page 467, so it would be a brave man who claimed exclusive rights to the idea. If Baird (as I suspect) actually patented it, he was lucky to get away with it! Clearly RCA came late in the race and once again had to rely on foreign assistance, as they did with the iconoscope.

Andrew Emmerson/Midshires Mediatech/405 Alive
tel: 07000-405625, international +44 1604-844130
fax: 01604-821647, international +44 1604-821647

Date: Tue, 26 May 1998 09:15:13 -0400 (EDT)
Message-Id: <1.5.4.16.19980525201810.37af91c6@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: "David L. Thompson" <thompson@mindspring.com>
Subject: Projects, projects....

I am getting ready to take a business trip to Florida in a few minutes. I will be talking with Mr. Hammarlund, Frank Lester W4AMJ (EX W2AMJ)...he who invented the the Super Pro and later the HC-10 circuits used in the HQ145, 170, and 180. Should be interesting. Hope to catch up with Larry Ware later in the week, too.

Beside the major antenna project (re-capping the KT34XA) I am finally getting some of my back log in BA done.

The first HQ170A-VHF now works great after some 60kcs help from Jon K1VVC. The second HQ170A-VHF needs the same 60kcs IF alignment (5 IF cans...you can bet I will ask W4AMJ about this). They hear better on 20 than my Y---- 1983 super CAT and my 1982 I--- even with its preamp on. (I have no new gear here!)

I have two dual drive knobs for the Thor 6. I did replace two caps in the PS/Mod deck and now need a 6 meter antenna to be QRV on 50.4. Probably a vertical dipole to start and then a M2 5 el later. (or I may built one..I have plenty of aluminum).

NCL2000 mod for Svetlana 4CX400s in smoke test at Svetlana California. Gave up on adding either 160 or 6 to the amp. Article planned for Svetlana's web page and maybe QST.

Globe (or is it WRL) DSB-100 warmed up Ok but low on drive or maybe my two xtals are bad. Looking for a VFO (WRL 755/755A, EICO 722 or similar) but please not the Heath VF-1!

Two projects for later include stringing a Ten-Tec 229 tuner picked up for a song and aligning the ElMac PMR-8 (especially the dial freq) unless I sell it to another person in Florida.

Got the smarts and sold or traded everything else.

I am still looking for an Eldico TR-1 300W AM/CW transmitter with or without cabinet rack.

Be back Saturday morn...............

73, Dave K4JRB

Message-ID: <356AD0CD.A4F576DD@bw.webex.net>
Date: Tue, 26 May 1998 10:25:17 -0400
From: Al Klase <skywaves@bw.webex.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Grimeton on VLF on Thursday
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Are any of you making an effort to hear the Alexanderson alternator on 17.2 KC on thursday at 09:00 (actually 09:15 I think) and 15:00 UTC? I think we could coordinate our efforts in near-real time via E-mail, or perhaps via 2-meter repeater if anyone else is in New Jersey.

I have the Watkins Johnson 357 hearing pretty well via a 40-inch shielded loop with amplifier. I'm down to where most of the noise is 'spherics, but I'm afraid I need to get nearer to the Atlantic to have a chance of hearing SAQ. I'm not hearing anything that I'm sure is Europe. Does anyone have a 117 VAC outlet in a radio-quiet spot on the Jersey Shore or Long Island?

If anyone has contacts at SAQ, we should suggest that they try this in the dead of winter sometime when things are quieter.

Geez, this is getting to be like Marconi trying to bridge the Atlantic. Maybe I need a kite in Newfoundland.

73,
Al

--
Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822

Web Page: http://www.webex.net/~skywaves/home.htm

From: arc5@ix.netcom.com
Date: Tue, 26 May 1998 09:50:45 -0500 (CDT)
To: Old Tube Radios <boatanchors@theporch.com>
Message-Id: <199852752149426962@>
Subject: Snits..
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Larry said:
>My spell checking program re-named Dave Stinson.. Dave Snits..
>I really regret this, Dave.
>73 Larry

Shoot... I've been called worse then that by little old
ladies in church. And if I don't get to the bottom of
this mountain of email, I'll get called worse yet!

;-) 73 OM DE Dave Stinson AB5S
    arc5@ix.netcom.com

Date: Tue, 26 May 1998 11:20:56 -0400 (EDT)
From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Unclaimed prizes, followup
Message-Id: <Pine.GSO.3.96.980526111639.10500I-100000@titan.purch.ans.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It looks like one of the original winners once again laid claim to the hammarlund letters, so as soon as I get his address, they go out. The Bird books, however, are still unclaimed, so they go in the hamfest pile.

I am going to _try_ to make copies of the Hammarlund paper, as there was quite a bit of interest. They are very faint, and made on one of those purple ink copy machines, so I do not forsee much success. If I can get good copies, I will post something about it.

William Donzelli
william@ans.net

Message-Id: <199805261541.QAA25963@punt2.hw.ac.uk>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>

From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
CC: boatanchors <boatanchors@theporch.com>
Date: Tue, 26 May 1998 16:41:08 -0600
Subject: Re: Grimeton on VLF on Thursday

Just remembered - near Watford (North London) we had surprising success listening for whistlers (way below 17 kHz to way above) by running a long, high wire from the earth pin of an AC outlet at the farthest end of the school buildings, to the same at the end nearest the playing fields.

So we made a giant earth loop. But it worked! (Lots of filtering of course.)

The orientation of the loop would be very important of course. Also it might be illegal!

============ ===== ===== BILL J. ===== ===== ============
GM8APX, qthr Edinburgh, Scotland, UK

Possunt quia posse videntur

Net-Tamer V 1.11 - Registered

Message-Id: <199805261540.IAA21444@mailgate22.a001.sprintmail.com>
Subject: Some Mil stuff for sale
Date: Tue, 26 May 1998 10:43:23 -0500
From: "Joseph W. Pinner" <kc5ijd@sprintmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Here are some items for sale from Glen Thibodeaux's collection at the Louisiana Museum of Military History:

BB-451	NOS with electrolyte kit	$ 185
PRC-68	with handset, antenna and battery - working but a little rough	$200
PRC-77	with accessories	$ 350
PRC-90	with battery - working	$ 100

R-392   good condition with power cable $ 200

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@sprintmail.com

Date: Tue, 26 May 1998 10:59:43 -0500 (CDT)
From: Bill Hawkins <bill@iaxs.net>
Message-Id: <199805261559.KAA26362@citrus.iaxs.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Grimeton on VLF on Thursday

A 1921 Signal Corps book says that since the horizontal members of a rectangular loop antenna don't contribute to the signal, it is OK to have one of them grounded. That has been done on ships and on submarines, but it can also be done by connecting to the tops of two gutter drain pipes on opposite ends of a building, with the bottoms of the pipes grounded. Just a single turn, of course, but that might not matter in a 3 or 4 story building.

Regards,
Bill Hawkins

P.S. Don't try this if you live near a power line!

Date: Tue, 26 May 1998 12:03:36 -0400 (EDT)
From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Copies of Hammarlumd letter available...
Message-Id: <Pine.GSO.3.96.980526115924.10500K-100000@titan.purch.ans.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...but they are not very good. They are readable, but you may have to think about what your eyes see. Anyway, if anyone wants a set of the 8 page letters describing Super Pro modifications as described by Hammarlund's Frank Lester W2AMJ, let me know and I will send them out. Payment is not needed, but of course I would not refuse a buck to pay for the copies and stamps.

William Donzelli

william@ans.net

Message-ID: <356AE683.4810A92E@bwab.se>
Date: Tue, 26 May 1998 17:57:55 +0200
From: Bengt Wilander <bkh@bwab.se>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Alexanderson Alternator
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I checked with the people at the Grimeton
Radio Station this morning and the Alexanderson
Alternator transmission on May 28th will take
place as planned.

There will be a short ceremony starting at 0900z
and thereafter will the transmission start at
appr. 0910z. The duration is appr. 20-30 minutes.

The transmission will be repeated on the same day
at 1500z.

Callsign is SAQ and the QRG is 17.2 kHz with
200 kW into the antenna pointing at Long Island.
Mode of transmission is CW.

The folks at Grimeton welcomes any signal reports.
Send it either direct to their e-mail adress
grimeton@mobile.telia.se
or to my e-mail. I will then forward your reports
to the proper individual.

Good listening

Bengt Wilander SM7BKH   bkh@bwab.se

Date: Tue, 26 May 1998 08:38:41 PDT
From: "Schroeder,Russell G" <Russell_Schroeder@xn.xerox.com>
Subject: WTB: BC-455 RF Coil Set
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Schroeder,Russell G" <Russell_Schroeder@xn.xerox.com>
Message-id: <8DDE6A358190677C8DDE6A358190677C#064#X-WB-0207-MS2.XN@SMF>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

Hollowstaters,

Picked up an unmodified BC-455 6-9 Mc Command receiver with dynamotor. Unmodified except for the RF coil set that is missing. Anyone have a parts unit with the RF coil set intact that could be liberated? Thanks in advance.

73 Russ W2DYY

Russell_Schroeder@xn.xerox.com

Date: Tue, 26 May 1998 09:23:36 -0700 (PDT)
From: Ken Gordon <keng@uidaho.edu>
To: Old Tube Radios <boatanchors@theporch.com>
cc: BA <boatanchors@sco.ThePorch.com>, glowbugs@piobaire.mines.uidaho.edu
Subject: Re: GB> Good ol' 40 meters; good ol' bedlam
Message-ID: <Pine.BSF.3.95.980526091312.27457B-100000@piobaire.mines.uidaho.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, Bobbi, ***I*** heard you! Yes, clear out here in Idaho! But I couldn't get through the QRN to the boys either. W7QQQ was 599+, W7ZFB was 579, W5FRS was 569, KD6LEE was 579 although a bit higher, YOU were between 449 and 559 +/- QSB, and there were others calling 'QQQ too, since he was the loudest signal on the band.

Say, you guys troubled with QRN, have you ever thought of building and using one of those "QRN Squashers" ?????? I have all the dope on it. Heck, I would even provide the parts for ONE of you to build one, just to have someone be able to hear my 50 watter (HW-16). Heck, if enough of the boys would build these things, I might even be able to fire up the AN/GRC-109!!

The "QRN Squasher" is an external QRN neutralizer which REALLY works!!!!

I will be MOST PLEASED (Hint,Hint) to scan the article and put it on my web page, unless it has already been done by someone else (Bry?) in which case that other someone would be doing us a BIG favor by telling us where to find it.

Ken W7EKB

Date: Tue, 26 May 1998 12:00:22 -0400
From: "Thomas A. Adams" <103360.2133@compuserve.com>
Subject: Re. Idiot computer
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199805261202_MC2-3E23-489C@compuserve.com>

MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Hello Larry.

Those damned spell checkers will do it to ya every time; they can't handle names at ALL.

Dave Stinson should feel fortunate for getting off so easy. I recently wrote to a friend, Ruth Gundlach. She got a bit ticked off at me because she thought I'd tried to insult her; the spell checker in MS Mail rendered her name as ROOT GUNNYSACK!

73's,

Tom, W9LBB

Message-Id: <3.0.5.32.19980526094217.011c1b40@mail.xroads.com>
Date: Tue, 26 May 1998 09:42:17 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Walt Turansky <turansky@xroads.com>
Subject: Rx - regens vs superhets
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The recent thread on the Mighty Midget Rx and subsequent messages on Jones supergainers etc have caused me to think about building a simple superhet to compare with my regen. Over the long weekend I did some reading and listening.

I hooked up my classic 0-V-2 (very loosely coupled 1/4 wave antenna,'32 screen grid dectector and 2 stages ('30's) of transformer coupled audio) and tuned around on 40 M. I heard more on the regen than I could on my Icom 751 or Ten-tec Scout with the same antenna. Selectivity was equally good. As BA Bob has stated, at the edge of oscillation my 0-V-2 could slice the sidebands off the Spanish SSB. Ken has the schmatic at his site (http://www.mines.uidaho.edu/~keng/sch/rx/kw7wt/KW7WT_2.gif).

After this comparison, I've decided not to build the superhet right now. I think I might continue to experiment with a regenerator. I read about using a '22 or '24 as a space charge detector in early '30's QST. Has anyone tried this and compared it to a screen grid detector? Has anyone compared the performance of '32 and/or '34 detectors to the type '24? I also read

about using an additional triode as the oscillator with a screen grid
detector. Has anyone tried it and how does it compare to throttle condensor
control of the screen grid detector?

73 de KW7WT,
Walt

Mime-Version: 1.0
Date: Tue, 26 May 1998 11:39:31 -0700
Message-ID: <000A7E47.1914@svlima.sv.sc.philips.com>
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
Subject: WTB /WTT Eldico SSB-1000F
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

I would like to buy or trade for an Eldico SSB-1000F amplifier. If you know
anyone that has one available, please contact me. Thanks.

Brian Harris WA5UEK

Date: Tue, 26 May 1998 13:02:11 -0400
From: BEN NOCK <G4BXD@compuserve.com>
Subject: R-107 case wanted
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199805261302_MC2-3E33-6BE@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Just on the off chance that someone has got one being used as a junk box,=
 I
am looking for a case for the R-107 receiver. =

Picked up one at a sale recently, nicely modded but with a new case, so, =
as
part of the reversal process, an origonal case is needed. =

cheers, Ben G4BXD.

From: "Ed Santavicca" <santavic@ct.picker.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 26 May 1998 14:28:13 -0500
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7BIT
Subject: Re: Grimeton on VLF on Thursday
Message-Id: <2C66B86E51@ct1.ct.picker.com>

I'll be tuned in to the 09:00Z. I have to go out of town at 11:00Z
so I can't listen to the 15:00Z transmission.

Ed

On 26 May 98 at 10:25, Al Klase wrote:

> Are any of you making an effort to hear the Alexanderson alternator on
> 17.2 KC on thursday at 09:00 (actually 09:15 I think) and 15:00 UTC? I
> think we could coordinate our efforts in near-real time via E-mail, or
> perhaps via 2-meter repeater if anyone else is in New Jersey.
>   I have the Watkins Johnson 357 hearing pretty well via a 40-inch
> shielded loop with amplifier. I'm down to where most of the noise is
> 'spherics, but I'm afraid I need to get nearer to the Atlantic to have a
> chance of hearing SAQ. I'm not hearing anything that I'm sure is
> Europe. Does anyone have a 117 VAC outlet in a radio-quiet spot on the
> Jersey Shore or Long Island?
>   If anyone has contacts at SAQ, we should suggest that they try this in
> the dead of winter sometime when things are quieter.
>   Geez, this is getting to be like Marconi trying to bridge the
> Atlantic. Maybe I need a kite in Newfoundland.
>
> 73,
> Al
> --
> Al Klase - N3FRQ
> skywaves@bw.webex.net
> Flemington, NJ 08822
> Web Page: http://www.webex.net/~skywaves/home.htm
>
>

Ed Santavicca

73 de AA8TV

Piper Warrior N44076
santavic@ct.picker.com

From: w2ec@VNET.IBM.COM
Message-Id: <199805261850.NAA01089@sco.theporch.com>
Date: Tue, 26 May 98 14:12:04 EDT
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Help please: Invader 2000

When I first got my Invader it gave 14ma no load and 8ma under load on 80 meters. 10ma grid was easily achieved on all other bands. I started swapping out 12BY7's. Some were better, some were worse. I finally found one 12BY7A that is now giving me 22ma no load, 15ma under load, so I can easily adjust and maintain the 10ma grid needed on 80 meters. I started swapping tubes AFTER I peaked up the exciter by the way. I was able to get a few ma by peaking but it needed a good 12BY7 to make the full 10ma consistently. As for full output, I've never been able to show more than 550 watts. I've swapped final tubes several times, 4-400B's, 4-400A's and a couple military Eimac 8438's. They all give the same power output. Static current has varied (based on what tubes were in there) between 200ma and 315ma. A little orange glow at 315ma but certainly not "hot". 460ma at 2100v cw is what gives me the 550 watts out.

73, Ray W2EC

End of BOATANCHORS Digest 2068
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